EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES. UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON ENTERING THE SITE. THE CONTRACTOR AND/OR OWNER SHALL COORDINATE AND VERIFY THE METHOD OF UTILITY LOCATION WITH THE APPROPRIATE UTILITY COMPANY. ABOVE AND BELOW THE GROUND SURFACE HEAVY EQUIPMENT ENTERS THE SITE.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES BOTH ABOVE AND BELOW ON THE DRAWING SERVICE VEHICLE EQUIPMENT WITHIN THE SITE. EXISTING GRAVITY UTILITIES AND OTHER UTILITIES MAY HAVE TO BE RELOCATED. UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND BASED ON ENTERING THE SITE.

EXISTING STRUCTURES AND UTILITIES, WHICH HE DEEMS NECESSARY, BOTH SHALL BE MADE BY THE CONTRACTOR AND/OR OWNER WITHIN SEVEN (7) DAYS OF THE RELOCATIONS OF OTHER UTILITIES.

THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING STRUCTURES AND UTILITIES, BOTH ABOVE AND BELOW ON THE DRAWING SERVICE VEHICLE EQUIPMENT WITHIN THE SITE.

THE PARCEL IN QUESTION IS KNOWN AS BLOCK 150, LOTS 3, 4, AND 5. (0.145 AC.) OF THE BOROUGH OF BEACH HAVEN, OCEAN COUNTY, NEW JERSEY.

110 NORTH BAY AVENUE
BOROUGH OF BEACH HAVEN
OCEAN COUNTY, NEW JERSEY
OF MITIGATION ACID SOIL CONDITIONS AND MITIGATION PROCEDURES:
EXPOSURE OF ACID-PRODUCING DEPOSITS.

2. THE AREA OF ACID-PRODUCING DEPOSITS EXPOSED SHALL BE NO LARGER THAN THAT CONSTRUCTION. IN SUCH CASES, PLASTIC LINERS SHALL BE UTILIZED, PLACING THEM OVER UPPERMOST TWO (2) INCHES OF THE DEPOSIT TO DROP TO 4.0, WHICHEVER IS LESS.

4. SINCE THE OXIDATION OF SULFIDE MINERALS AND RESULTING GENERATION OF ACID THE SOIL THAT IS TO BE SPREAD PURSUANT TO ITEM #2 SHALL BE COMPACTED.

FRAGMENTS MAY EXCEED THREE (3) INCHES IN DIAMETER OR LONG-AXIS LENGTH.

No more than ten (10) percent of the soil (by mass) may consist of course fragments larger than three inches in diameter or long-axis length.

THE TEXTURE OF THE SOIL SHALL FALL WITHIN THE FOLLOWING TEXTURAL CLASSES:

- Clay loam
- Loam
- Sand

1. Stockpile satisfactory materials where directed until required for construction.

2. Clear and remove all existing vegetation, buildings, foundations, tanks, and maintenance until permanent protection is established.

3. Construction is scheduled to start Fall 2022.

4. Construction of all proposed utilities. Installation of all sediment control devices.

5. Construction of proposed curbs. (2+ weeks)

6. The site shall at all times be graded and maintained such that all stormwater runoff is directed through approved ditches, conveyance, and control devices.

7. Stormwater pollution prevention to be installed.

8. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

9. Prior to restoring vegetated area, the soil specialist shall perform pH tests of acid-producing materials into streams or on contaminated soil.

10. Mulch and/or vegetative cover as specified in "seeding, planting, and maintenance" of the site.

11. Sediment control measures shall be applied where acid-producing deposits (including soil contaminated with such deposits) on exposed for more than 30 days.

12. Areas that are temporarily seeded shall be protected by perennial "hard" fescue, reed canary grass, or perennial ryegrass.

13. Application of mulch and/or vegetative cover as specified in "seeding, planting, and maintenance" of the site.


15. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

16. Stormwater pollution prevention to be installed.

17. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

18. The site shall at all times be graded and maintained such that all stormwater runoff is directed through approved ditches, conveyance, and control devices.

19. Stormwater pollution prevention to be installed.

20. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

21. Stormwater pollution prevention to be installed.

22. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

23. The site shall at all times be graded and maintained such that all stormwater runoff is directed through approved ditches, conveyance, and control devices.

24. Stormwater pollution prevention to be installed.

25. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

26. Stormwater pollution prevention to be installed.

27. The site shall at all times be graded and maintained such that all stormwater runoff is directed through approved ditches, conveyance, and control devices.

28. Stormwater pollution prevention to be installed.

29. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

30. Stormwater pollution prevention to be installed.

31. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

32. Inspections of all stormwater pollution prevention plan measures will be conducted periodically throughout the construction period as required to control dust, erosion, and sediment.

33. The site shall at all times be graded and maintained such that all stormwater runoff is directed through approved ditches, conveyance, and control devices.

34. Stormwater pollution prevention to be installed.

35. Any hazardous substance releases in excess of reportable quantities (RQ) established in the site-specific hazardous substances management plan.

36. The area of acid-producing deposits exposed shall be no larger than that proposed for construction.

37. Stormwater pollution prevention to be installed.

38. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.

39. Erosion control measures shall be applied where acid-producing deposits shall be included in this stockpile.

40. Stormwater pollution prevention to be installed.

41. Construction of proposed curbs, bituminous, and concrete pavements, etc., in those areas where erosion control devices are not to be applied.
NOTES:

1. WHEN NEW CURB IS INSTALLED ALONG AN EXISTING PAVED AREA, THE EXISTING PAVEMENT SHALL BE CUT IN A STRAIGHT LINE WITH A SHARP TOOL AND THE NEW PAVEMENT SHALL BE TACKED AND BUTTED TO EXISTING PAVEMENT.

2. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20' - 0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHO SPEC. M-213, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

PARKING LOT PAVEMENT SECTION

- 6" THICK SOIL
- AGGREGATE OR DENSE GRADED AGGREGATE
- 3" THICK STABILIZED BASE
- 2" THICK HMA SURFACE COURSE

CONCRETE  SIDEWALK  DETAIL

- 4" THICK CONCRETE
- 4500 PSI AT 28 DAYS

TYPICAL ROADWAY SECTION

- 3" THICK BITUMINOUS STABILIZED BASE COURSE
- COMPACTED SUBGRADE
- NOTE: ASSUMES A C.B.R. OF 10 OR BETTER

WOOD FENCE DETAIL

- 1 3/4" x 3 1/2" WOOD BOTTOM RAIL
- 7/8" x 1 1/2" WOOD PICKET (TYP.)
- 7/8" x 3" WOOD PICKET (TYP).
- 4" x 4" WOOD FENCE POST
- 1 3/4" x 3 1/2" WOOD TOP RAIL

DEPRESSED CURB & DRIVE APRON

- 6" CURB FACE
- 2% SLOPE: 1/4" PER FOOT
- 4" THICK CONCRETE
- 4500 PSI @ 28 DAYS

WOOD POST CAP (TYP.)

- 2'-6" (SEE PLAN)
- JOINTS VARIES
- 8'-0" MAX.

1 3/4" x 3 1/2" WOOD TOP RAIL

- 7/8" x 1 1/2" WOOD PICKET (TYP.)
- 7/8" x 3" WOOD PICKET (TYP).
- 4" x 4" WOOD FENCE POST
- 1 3/4" x 3 1/2" WOOD BOTTOM RAIL

CONSTRUCTION DETAILS

110 NORTH BAY AVENUE
BLOCK 150, LOTS 3, 4, & 5
BOROUGH OF BEACH HAVEN
OCEAN COUNTY, NEW JERSEY

TRISTATE ENGINEERING AND SURVEYING, PC
P.O. BOX 1304 BLACKWOOD, NJ 08012
OFFICE: (856) 677-8742   FAX: (856) 879-2024
www.tristatecivil.com

NOT TO SCALE
SDR - 35 PVC SANITARY SEWER TRENCH DETAIL (3'-20')


UNDISTURBED SOIL
(USE ONLY AS DIRECTED)

TRENCH STABILIZATION
BY THE ENGINEER

NOT TO SCALE

D + 16"

D

N.T.S.

12" MIN.

*  

SPECIFICATIONS
WITH GENERAL

3"

* 

13. ALL WATER MAIN GATE VALVES TO BE MUELLER A-2360 RESILIENT WEDGE OR APPROVED EQUAL. VALVES SHALL OPEN
10. FIRE HYDRANT LOCATION SHALL BE APPROVED BY THE FIRE MARSHALL.
7. PROVIDE EIGHTEEN INCHES (18") OF CLEARANCE BETWEEN STORM DRAINS CROSSING P.V.C. SANITARY SEWER MAINS
6. AT SANITARY SEWER MAIN AND WATER MAIN CROSSINGS, CONSTRUCT SANITARY SEWER MAIN AT A MINIMUM OF
5. PROVIDE TEN FOOT (10') MINIMUM HORIZONTAL SEPARATION BETWEEN SANITARY SEWER MAINS AND WATER MAINS
8. PROVIDE FOUR FEET (4') MINIMUM COVER OVER WATER MAINS AND PROVIDE A THREE FOOT (3') MINIMUM COVER OVER
3. ALL SERVICE PVC PIPE TO BE SDR-35

STEWART, ARTHUR L.

TYPICAL SEWER LATERAL CONNECTION

TYPICAL WATER SERVICE CONNECTION

TRENCH DETAIL

UNPAVED AREAS
PAVED AREAS

TYPICAL SEWER LATERAL
IN FRONT AREAS

LATERAL CLEANOUT

SECTION "B - B"

REVISIONS

NEW JERSEY PROFESSIONAL ENGINEER

JOSEPH A.

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